

Receipt is hereby acknowledged by the U.S. Patent Office, on the date stamped below, of a U.S. Patent Application under 35 U.S.C. § 371 for T-CELL RECEPTOR, ALTERNATE READING FRAME PROTEIN, ("ARP) AND USES THEREOF of Pastan et al.

Enclosed are the following:

- Check for \$1,694.00 and cover sheet in duplicate
- Combined Declaration and Power of Attorney (11 pages)
- Preliminary Amendment and Marked-Up Version of Specification
- Paper and electronic copies in sequence listing
- Statement in compliance with 37 C.F.R. § 1.821 verifying identity of above copies
- Three (3) Assignment documents to The Government of the United States and Three (3) Form PTO-1995 documents
- Information Disclosure Statement, Form PTO-1449, and copies of cited references
- Deposit Acct. 02-4550 Authority

Express Mail No. EL761161592US, deposited January 11, 2002

Received:  
4239-61854

AC10 REC'D PCT/PTO 11 JAN 2002  
WDN/SAS:jam

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SAS:jem 01/11/02 4239-61854 92036

EXPRESS MAIL LABEL NO. EL761161592US  
DATE OF DEPOSIT: JANUARY 11, 2002

FORM PTO-1100 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. § 371		4239-61854
INTERNATIONAL APPLICATION NO. PCT/US00/19039	INTERNATIONAL FILING DATE 12 July 2000	PRIORITY DATE CLAIMED 13 July 1999 and 1 October 1999
TITLE OF INVENTION T-CELL RECEPTOR γ ALTERNATE READING FRAME PROTEIN, (TARP) AND USES THEREOF		
APPLICANT(S) FOR DO/EO/US Ira Pastan, Magnus Essand, Byungkook Lee, George Vasmatzis, Curt Wolfgang, Ulrich Brinkmann		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.</li> <li>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. § 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1)).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. § 371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)) (11 pages).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li> </ol>		
<p>Items 11. to 16. below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> Three (3) assignment documents for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$120.00 is included.</li> <li>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.             <p><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> </li> <li>14. <input type="checkbox"/> A substitute specification.</li> <li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>16. <input checked="" type="checkbox"/> Other items or information:             <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Printed copy of Sequence Listing (9 pages).</li> <li><input checked="" type="checkbox"/> Statement in Compliance with 37 C.F.R. § 1.821(f)</li> <li><input checked="" type="checkbox"/> Diskette containing computer-readable form of Sequence Listing</li> <li><input type="checkbox"/> Preliminary Examination Report.</li> <li><input type="checkbox"/> International Search Report.</li> <li><input checked="" type="checkbox"/> Copies of References Cited (in the Information Disclosure Statement).</li> </ul> </li> </ol>		



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EXPRESS MAIL LABEL NO. EL761161592US  
DATE OF DEPOSIT: JANUARY 11, 2002

US APPLICATION NO. (if known, see 37 C.F.R. § 1.1)	INTERNATIONAL APPLICATION NO. PCT/US00/19039	ATTORNEY'S DOCKET NUMBER 4239-61854	
17. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS (PTO USE ONLY)	
<b>BASIC NATIONAL FEE (37 C.F.R. §§ 1.492(a)(1)-(5)):</b>			
Neither International Preliminary Examination fee (37 C.F.R. § 1.482) nor International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....		\$1,040.00	
International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....		\$890.00	
International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO as an International Searching Authority.....		\$740.00	
International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4).....		\$710.00	
International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4).....		\$100.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>\$ 890.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)).		\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	44 - 20 =	24	x \$18.00
Independent Claims	6 - 3 =	3	x \$84.00
<b>MULTIPLE DEPENDENT CLAIM(S) (If applicable)</b>		+ \$280.00	\$
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$ 1,574.00</b>	
<input type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.		\$	
<b>SUBTOTAL =</b>		<b>\$ 1,574.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)). +		\$	
<b>TOTAL NATIONAL FEE =</b>		<b>\$ 1,574.00</b>	
Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property. +		\$ 120.00	
<b>TOTAL FEES ENCLOSED =</b>		<b>\$ 1,694.00</b>	
		REFUND → \$	
		CHARGE → \$	

a.  A check in the amount of \$ 1,694.00 to cover the above fees is enclosed.  
b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.  
c.  The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of this sheet is enclosed.  
d.  Please return the enclosed postcard to confirm that the items listed above have been received.

**NOTE:** Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

*William D. Noonan*

KLARQUIST SPARKMAN, LLP  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, OR 97204-2988

SIGNATURE  
William D. Noonan, M.D.  
NAME  
30,878  
REGISTRATION NUMBER

cc: Docketing

SAS:jam 01/11/02 92085  
PATENT

Attorney Reference Number 4239-61854  
Application Number

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Pastan et al.

Art Unit: Not yet assigned

Application No.: Not yet assigned

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as Express Mail, Label No. EL761161592US, on January 11, 2002; BOX PCT, COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Filed: Herewith

  
William D. Noonan, M.D.  
Attorney for Applicant

For: T-CELL RECEPTOR γ ALTERNATE READING FRAME PROTEIN, (TARP) AND USES THEREOF

Examiner: Not yet assigned

Date: January 11, 2002

BOX PCT  
COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

## PRELIMINARY AMENDMENT

Prior to examination of the above-referenced application, please amend the application as follows:

**In the specification:**

On page 1, after the title, please insert the following paragraph:

**-PRIORITY CLAIM**

This is a § 371 U.S. national stage of PCT/US00/19039 filed July 12, 2000, which was published in English under PCT Article 21(2), which in turn claims the benefit of U.S. Provisional Application 60/143,560 filed July 13, 1999 and U.S. Provisional Application 60/157,471 filed October 1, 1999.--

Please amend page 10 as follows: